

**AMENDMENTS**

***IN THE CLAIMS:***

Please cancel claims 2, 9 and 15.

1           1.     (Currently Amended) A multiple wavelength output light source,  
2 comprising:  
3           a laser device having a plurality of output wavelengths;  
4           a demultiplexer optically coupled to the laser device, the demultiplexer for  
5 separating the plurality of output wavelengths; and  
6           a plurality of modulators optically coupled to the demultiplexer, the  
7 modulators associated with and configured to modulate each wavelength, wherein the  
8 laser device, the plurality of modulators and the demultiplexer are fabricated on one  
9 substrate and comprise one module.

1           2.     (Canceled)

1           3.     (Original) The light source of claim 1, wherein the plurality of output  
2 wavelengths represents the output spectrum of the laser device.

1           4.     (Original) The light source of claim 1, further comprising an optical  
2 filter configured to receive the plurality of output wavelengths and modify each  
3 wavelength to a predetermined profile.

1           5.     (Original) The light source of claim 1, wherein the laser device is a  
2 Fabry-Perot laser.

1           6.       (Original) The light source of claim 1, further comprising a combining  
2 device configured to combine each of the plurality of modulated wavelengths onto a  
3 single optical fiber.

1           7.       (Original) The light source of claim 1, wherein the laser device has a  
2 spectral distribution including distinct peaks, each of the output wavelengths  
3 corresponding to a different one of the peaks.

1           8.       (Currently Amended) A method for forming a broad spectrum  
2 modulated laser output, the method comprising:  
3           providing a laser device having a plurality of output wavelengths;  
4           separating the plurality of output wavelengths; ~~and~~  
5           modulating each of the plurality of output wavelengths; and  
6           forming the laser device and performing the modulating step and the  
7 separating step on one substrate.

1           9.       (Canceled)

1           10.      (Original) The method of claim 8, wherein the plurality of output  
2 wavelengths represents the output spectrum of the laser device.

1           11.      (Original) The method of claim 8, further comprising modifying each  
2 wavelength to a predetermined profile.

1           12.    (Original) The method of claim 8, wherein the laser device is a Fabry-  
2    Perot laser.

1           13.    (Original) The method of claim 8, further comprising combining each  
2    of the plurality of modulated output wavelengths onto a single optical fiber.

1           14.    (Currently Amended) A method for forming a broad spectrum  
2    modulated laser output, the method comprising the steps of:

3           providing a Fabry-Perot laser device having a plurality of outputs, each output  
4    at a different spectral location;

5           separating the plurality of outputs; ~~and~~

6           modulating each of the plurality of outputs with communication information  
7    resulting in a plurality of modulated outputs; and

8           forming the Fabry-Perot laser device and performing the modulating step and  
9    the separating step on one substrate.

1           15.    (Canceled)

1           16.    (Original) The method of claim 14, wherein the plurality of output  
2    wavelengths represents the output spectrum of the laser device.

1           17.    (Original) The method of claim 14, further comprising modifying each  
2    wavelength to a predetermined profile.

1           18.     (Original) The method of claim 14, further comprising combining each  
2 of the plurality of modulated outputs onto a single optical fiber.

1           19.     (Currently Amended) An optical system comprising:  
2 a laser that outputs plural wavelengths; and  
3 modulator means optically coupled to the laser, the modulator means for  
4 modulating each of the wavelengths independently, wherein the laser and the  
5 modulator means are fabricated on one substrate and comprise one module.

1           20.     (Original) The apparatus of claim 19, further comprising separator  
2 means for spatially separating the plural wavelengths upstream of their modulation by  
3 the modulator means.

1           21.     (Original) The apparatus of claim 20, further comprising combiner  
2 means for spatially combining the wavelengths as modulated by the modulator means.

1           22.     (Original) The apparatus of claim 19, wherein the laser has a spectral  
2 distribution including distinct peaks, each of the wavelengths corresponding to a  
3 different one of the peaks.

1           23.     (Currently Amended) An optical method comprising:  
2 operating a laser to provide an output characterized by plural wavelengths; ~~and~~  
3 modulating the plural wavelengths independently; and  
4 forming the laser device and performing the modulating step on one substrate.

1           24.    (Original) The method of claim 23, further comprising separating the  
2   plural wavelengths upstream of the modulating.

1           25.    (Original) The method of claim 24, further comprising combining the  
2   wavelengths downstream of the modulating.

1           26.    (Original) The method of claim 23, wherein the wavelengths  
2   correspond to distinct peaks in the spectral distribution of the output of the laser.